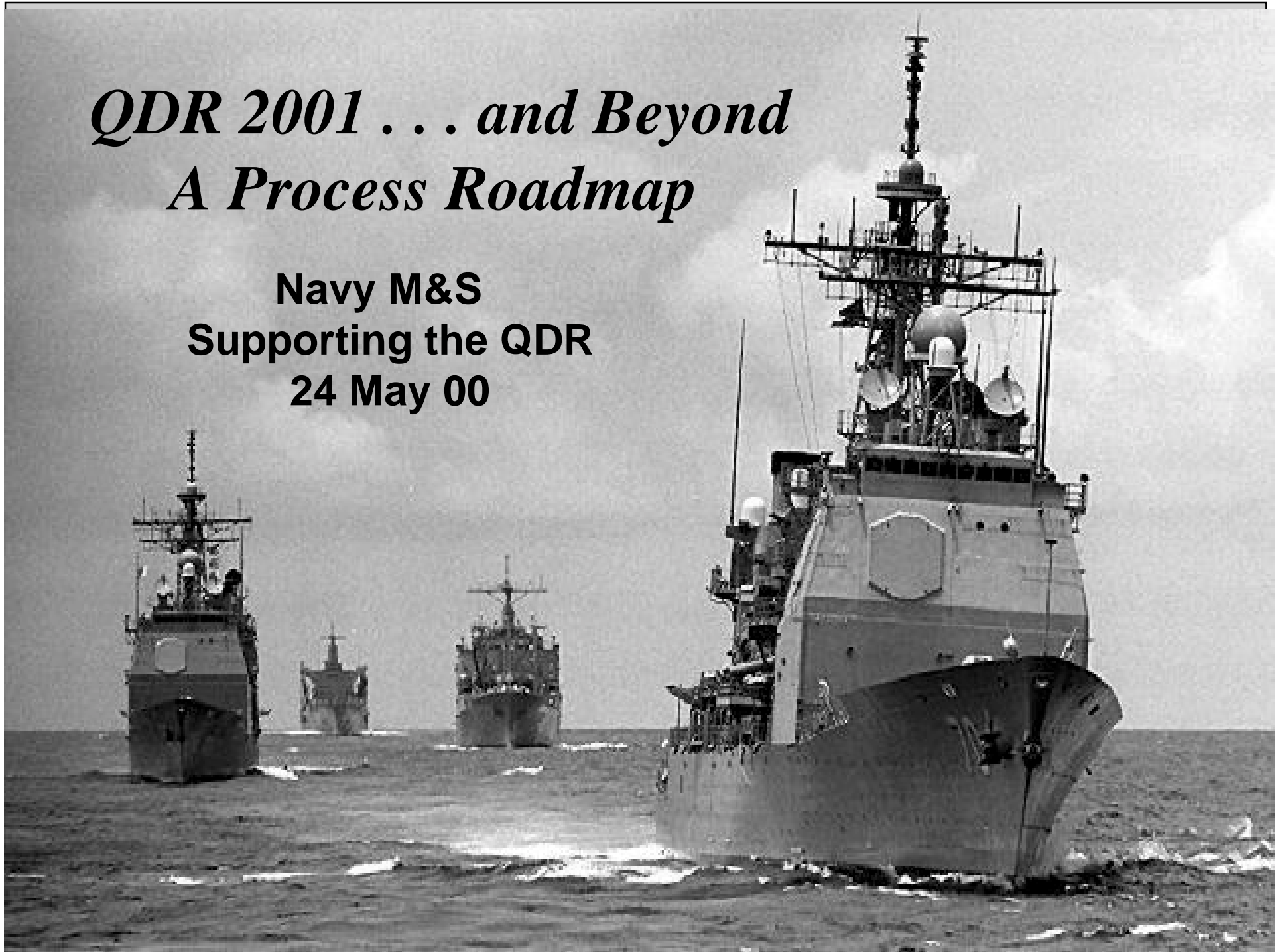


QDR 2001 . . . and Beyond *A Process Roadmap*

Navy M&S
Supporting the QDR
24 May 00



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Outline

- **Where we are**
 - QDR 01 Organization
 - QDR 97 Lessons Learned
- **Where we're going**
 - Forward Presence Analysis
 - IWAR/CPAM Process

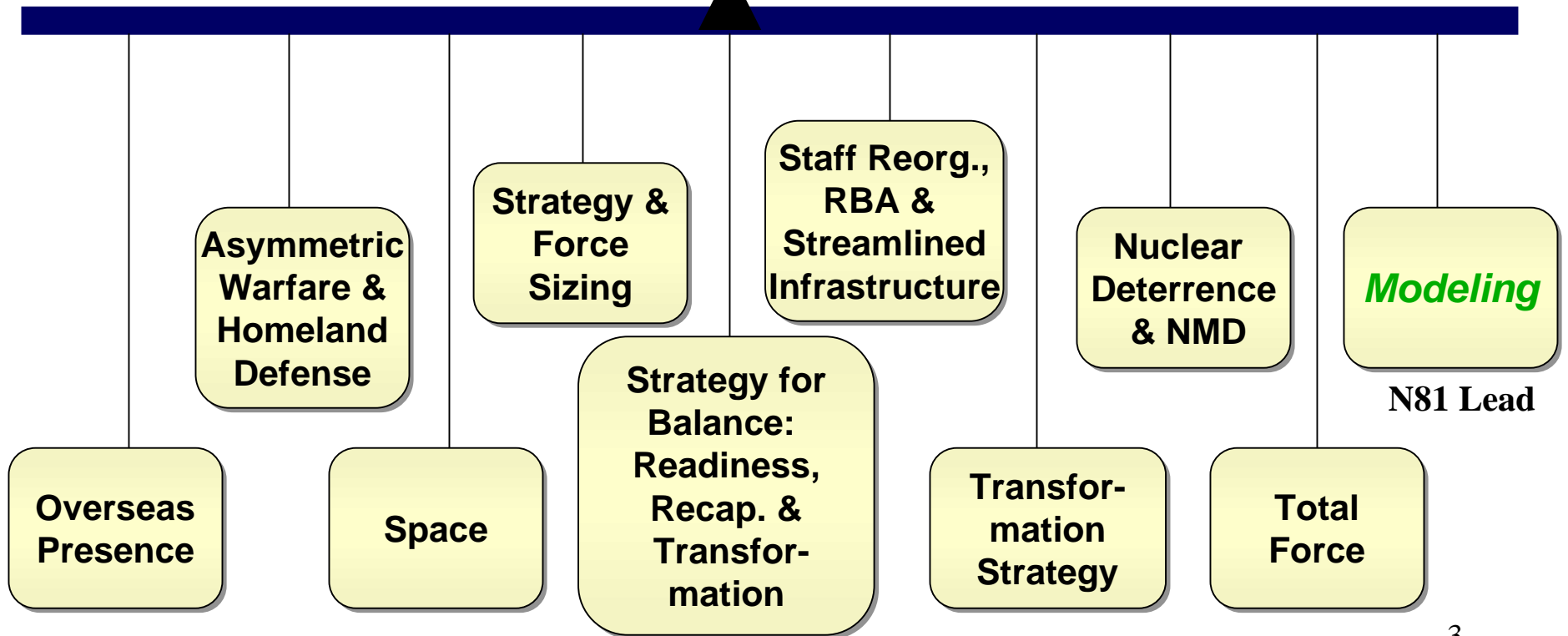
The Bottom Line

OPNAV QDR Organization



N51 Lead

10 Subgroups



PAST QDR LESSONS LEARNED - Navy

- DUAL MTW SCENARIO ALONE NOT ADEQUATE FOR SIZING NAVY FORCE STRUCTURE
- NAVAL FORCE STRUCTURE ASSESSMENTS MUST INCLUDE A COMBINATION OF ***FORWARD PRESENCE, CRISIS RESPONSE, AND WARFIGHTING MISSIONS***
- OSD/J-8 DYNAMIC COMMITMENT WARGAMES DURING LAST QDR SUGGESTED AN APPROACH FOR INCREASING FOCUS ON PRESENCE AND CRISIS RESPONSE

NAVAL FORCE STRUCTURE ANALYSIS REQUIREMENTS

GLOBAL NAVAL FORCE ALLOCATION

- 5-10 YR PERIOD
- FORWARD PRESENCE
- CRISIS RESPONSE
- MTW/SSC



SUFFICIENCY OF FORCES ASSIGNED

- GNFPP ALLOCATIONS
- MOOTW/SSC/MTW
EFFECTIVENESS

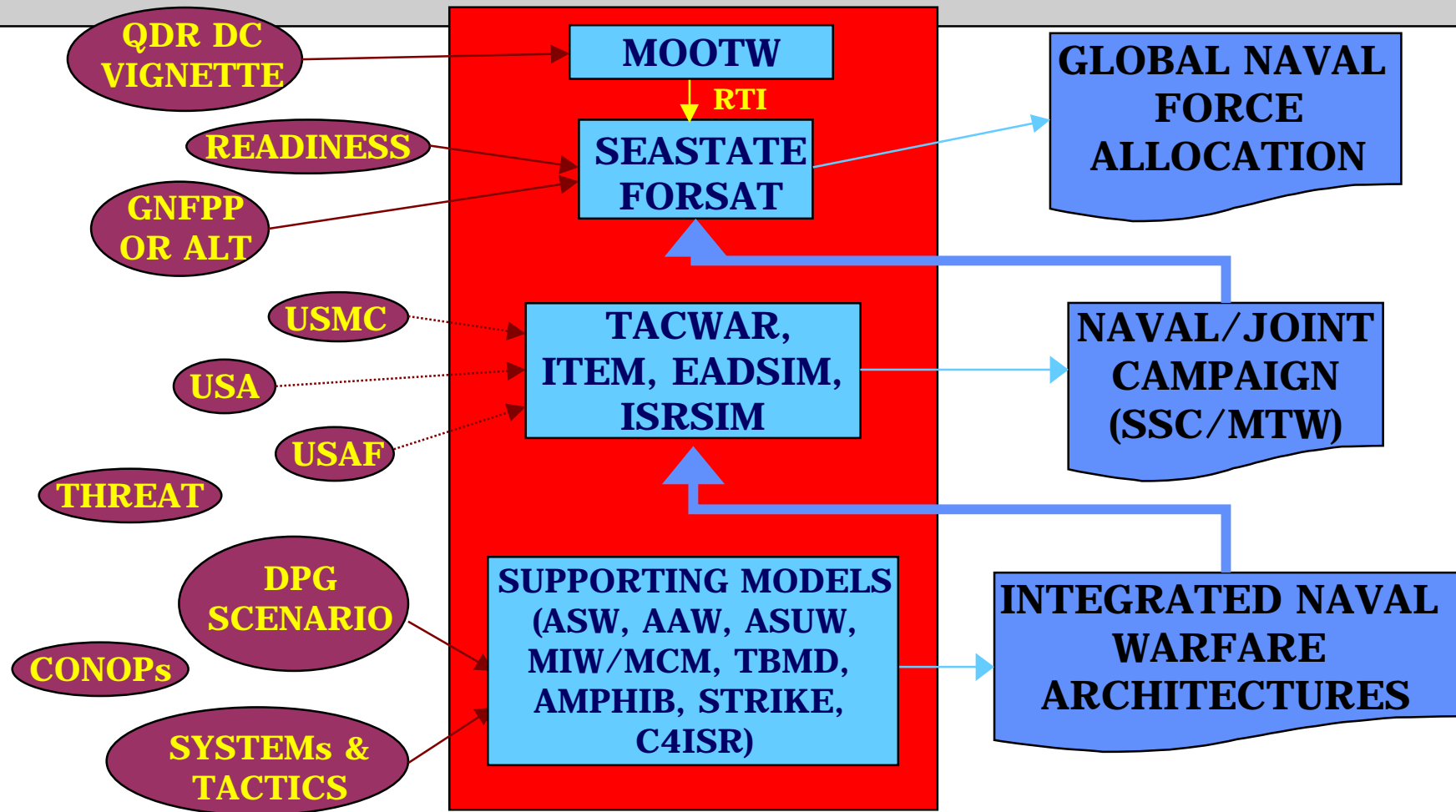


STRESS ON NAVAL FORCE STRUCTURE

- PERSTEMPO
- OPTEMPO
- SHORTFALLS IN MEETING
COMMITMENTS
 - DELAYED ARRIVALS
 - INADEQUATE NUMBERS
- IMPACT OF SHORTFALLS ON
FORCE EFFECTIVENESS

MODELING ENVIRONMENT

GCAM ENVIRONMENT



GLOBAL NAVAL FORCE ALLOCATION TOOLS

**HUMAN-IN-THE-LOOP
PLANNING TOOL**

SeaState

AUTOMATED ASSESSMENT TOOL

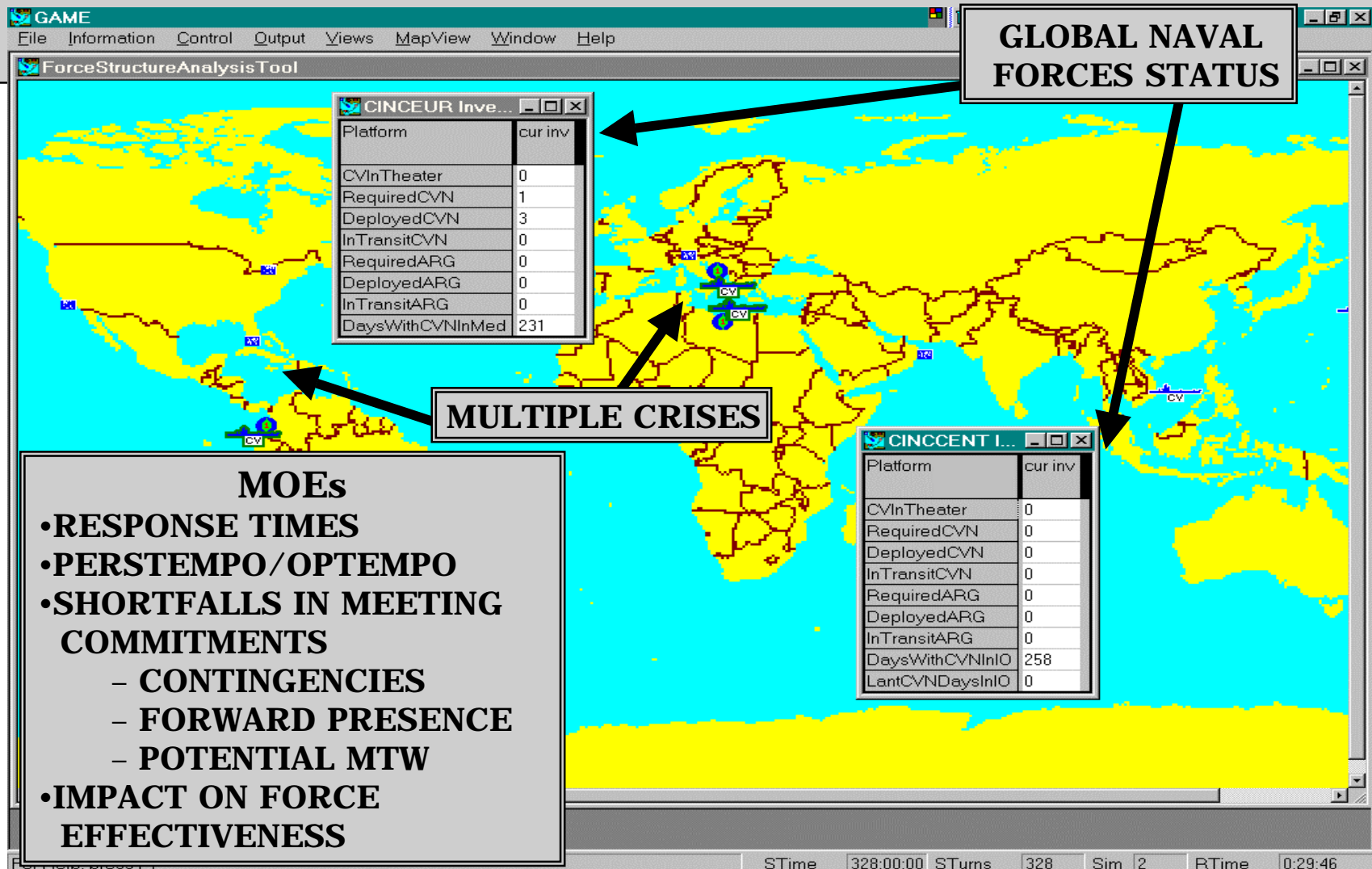
FORSAT

**REQUIRED FORCES
FOR CONTINGENCIES**

- **HISTORICAL DATA BASE**
 - **DEPLOYMENT**
 - **READINESS**
- **PROJECTION 12-18 MONTHS
BASED ON EMPLOYMENT SCHEDULES**
- **UNIT SELECTION FOR CRISIS
RESPONSE BASED ON**
 - **ROC/POE MATCH WITH UNTL**
 - **RESPONSE TIME**
- **PLAN TO USE FOR DC SUPPORT**

- **SIMULATION (STOCHASTIC)
PROJECTS PRESENCE, UNIT
AVAILABILITY AND READINESS
INTO FUTURE TIMEFRAME**
- **STATISTICALLY BASED
CHARACTERIZATION OF CRISIS
OCCURRENCE**
- **IMPLEMENTS AUTOMATED RULE
SET FOR FORCE ASSIGNMENT**
- **PLAN TO USE FOR QDR ANALYSIS**

FORCE STRUCTURE ANALYSIS TOOL (FORSAT)



N81 MOOTW ANALYSIS CASE SET

OPPOSED NEO CASE (97)

C⁴ISR SCUD HUNT (97)

SWA AMPHIBIOUS RAID (97)

NIGERIA NEO (MCCDC MISSION AREA ANALYSIS CASE)

TOBAGO INTERVENTION (98)

PHILIPPINE HUMANITARIAN ASSISTANCE (98)

MARITIME INTERDICTION (99)

NO-FLY ZONE (99)

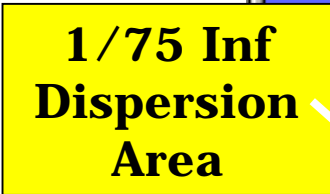
MOOTW Example: TOBAGO INTERVENTION*



- * Scenario is fictitious and used only for development of analysis methodology**

**•IN CONJUNCTION WITH OECS NATIONS,
ASSIST IN RESTORATION OF THE DEMOCRATIC
GOVERNMENT**

SCREEN CAPTURE
NO BEACON EFFECT
75TH INFANTRY PARACHUTE ASSAULT



**2/75 Inf
Dispersion
Area**

SUMMARY

- DUAL MTW SCENARIOS DO NOT FULLY ADDRESS REQUIREMENTS CHALLENGING FUTURE MILITARY FORCE STRUCTURE
- FORCE STRUCTURE ASSESSMENTS MUST INCLUDE FORWARD PRESENCE AND CONTINGENCY RESPONSE
- ESSENTIAL ELEMENTS OF FORCE STRUCTURE ANALYSIS:
 - ***GLOBAL NAVAL FORCE ALLOCATION***
 - ***FORCE SUFFICIENCY***

Capabilities-Based Analysis IWAR & CPAM

**PROVIDES SENIOR NAVAL LEADERSHIP THE
FOUNDATION FOR RESOURCE DECISIONS
BY CONDUCTING *END-TO-END CAPABILITIES*
ANALYSIS OF WARFARE AND SUPPORT AREAS**

***Provides linkage* across Naval strategic vision, threat
assessment and programs**

***Prioritizes warfighting and support capabilities* through
integration and synchronization of current and planned
programs**

***Identifies impact of trade-offs* on near, mid, and far term
warfighting capabilities**

IWAR/CPAM STRATEGIC LINKAGE

Strategic Planning

Naval Strategic Vision

- The “long” view
- Overarching Vision
- Strategy to concepts

CNO Strategic Planning Guidance

- Strategic environment
- Bridges concepts and capabilities

Long Range Planning Objectives

- Operational capabilities
- Management objectives

SECNAV Planning Guidance

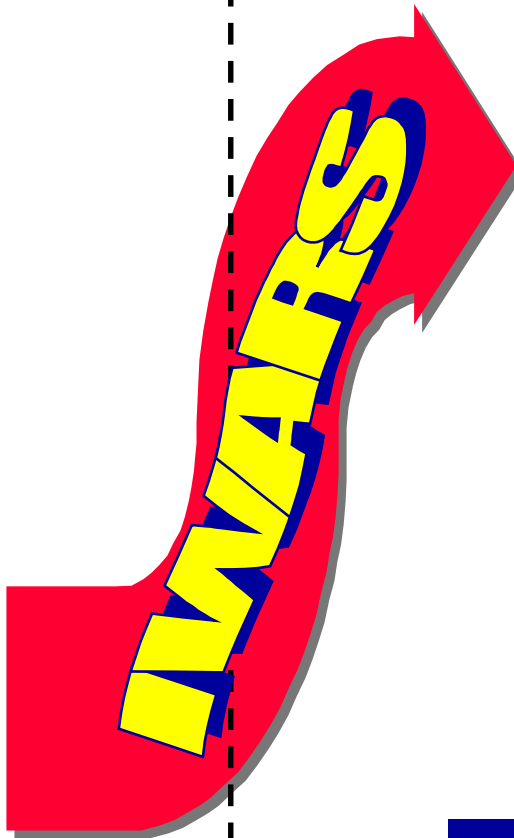
- Initiates PPBS Cycle

Analysis and Programming

CPAM

POM

Balanced/Integrated Capabilities



INTEGRATED WARFARE ARCHITECTURE (IWAR)

- **Translates vision to guidance for acquisition community**
- **Foundation for *resource decisions***
- **Current road map for warfare/support areas**
- **Focus on capabilities vice systems**
 - Cost Constrained = 100% TOA Coverage
- **Evaluates programmed force capabilities against projected threat using common analytical baseline**
 - Excursions run to examine high risk/high payoff options
- **Integrated product team approach**
- **Standing Architecture, not tied to PPBS Cycle**

CNO PROGRAM ANALYSIS MEMORANDUM (CPAM)

- **Assesses current FYDP programs and their contributions to a balanced program**
- **Provides balanced program across capability area and over time**
- **Describes impact of programmatic decisions on warfare capabilities (near/mid term)**
- **Recommends capability alternatives/options and trade-offs**
- **Raises issues that must be resolved in POM**
- **Supports *programming guidance***
- **Ties directly to PPBS Process**

SUMMARY - NEW IWAR/CPAM PROCESS:

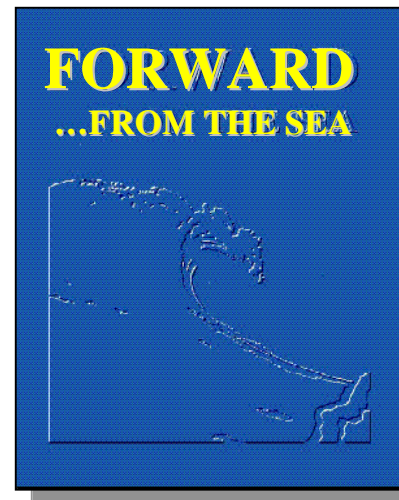
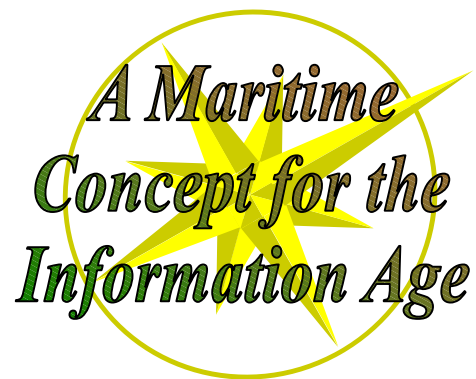
- **More efficient**

- Integrated capability not “collection of parts”
- Improved decisions of cost vs capability
- Earlier “up-front” program guidance adds program stability, enhances sponsor/vendor cooperation
- Strengthen linkage between strategy, capabilities, and resources

- **More effective**

- Capabilities-based assessments, not platform-based
- Cross-capability integration allows comparisons

Navy QDR Strategic Linkage



Navy QDR Themes

*Maritime
Power*

- Through combat-credible presence forward, the Navy provides our nation the means for both continuous shaping and timely response to crises.

*Numbers
Count*

*Knowledge
Superiority*

- The Navy's transformation into a knowledge-superior force enables it to dictate the operational tempo across sea, air, land, space, and cyberspace -- an expanded battlespace.

*Maritime
Power*

*Forward
Presence*

*Sensors and
Networks*

- New mission areas, such as TMD and land attack, drive both new capabilities and additional capacity.

*Project
Defense* | *Assured
Access*

*Influence
Ashore*

*Sea-Based
C² and
Logistics*

Outline

- **Where we are**
- **Where we're going**

The Bottom Line

**We are executing a plan to position the Navy for QDR
'01...**

...with a coherent message